

EDUCATION 2.0

# TEACHPRO EXAMS COMPLETE REFERENCE

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## CTET

<b>Exam Name</b>	CTET (Central Teacher Eligibility Test)
<b>Conducting Body</b>	CBSE
<b>Exam Level</b>	National
<b>Exam Frequency</b>	Twice a year
<b>Exam Mode</b>	Offline
<b>Exam Duration</b>	150 minutes
<b>Language</b>	English and Hindi
<b>Exam Purpose</b>	To determine the eligibility of candidates for appointment as teachers in Classes 1-8
<b>No. of Test Cities</b>	135 cities across India
<b>Exam Helpdesk No.</b>	011-22235774
<b>Official Website</b>	<a href="https://ctet.nic.in/webinfo/Public/Home.aspx">https://ctet.nic.in/webinfo/Public/Home.aspx</a>
<b>required Marks</b>	<b>45% in aggregate</b>
<b>Academic qualification</b>	2 years Diploma in Elementary Education
<b>CTET Maximum Age</b>	35 YEARS(MALE/FEMALE)

<b>Eligibility</b>	<ul style="list-style-type: none"> <li>• Candidates should pass 10+2 with a minimum of 45 per cent aggregate marks in order to be qualified for appointment as a primary stage teacher</li> <li>• Candidates should clear graduation with minimum 45 per cent aggregate marks or 10+2 with at least 50 per cent aggregate marks in order to be qualified for appointment as an elementary stage teacher</li> <li>• Candidates should complete the prescribed teacher training programmes/teacher education courses</li> </ul>
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<b>EXAM PATTERN</b>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="background-color: #e1f5fe;">Topics</th> <th style="background-color: #e1f5fe;">Total Questions</th> <th style="background-color: #e1f5fe;">Total Marks</th> </tr> </thead> <tbody> <tr> <td>Child Development and Pedagogy</td> <td>30 MCQs</td> <td>30 Marks</td> </tr> <tr> <td>Language I (Compulsory)</td> <td>30 MCQs</td> <td>30 Marks</td> </tr> <tr> <td>Language II (Compulsory)</td> <td>30 MCQs</td> <td>30 Marks</td> </tr> <tr> <td>Mathematics</td> <td>30 MCQs</td> <td>30 Marks</td> </tr> <tr> <td>Environmental Studies</td> <td>30 MCQs</td> <td>30 Marks</td> </tr> <tr> <td><b>Total</b></td> <td><b>150 MCQs</b></td> <td><b>150 Marks</b></td> </tr> </tbody> </table>			Topics	Total Questions	Total Marks	Child Development and Pedagogy	30 MCQs	30 Marks	Language I (Compulsory)	30 MCQs	30 Marks	Language II (Compulsory)	30 MCQs	30 Marks	Mathematics	30 MCQs	30 Marks	Environmental Studies	30 MCQs	30 Marks	<b>Total</b>	<b>150 MCQs</b>	<b>150 Marks</b>
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<b>SYLLABUS</b>	<b>CTET Subjects</b>	<b>CTET Important Topics</b>
	Child Development and Pedagogy	Child Development, Learning and Pedagogy
	Language-I	Comprehension, Pedagogy of Language Development
	Language-II	Comprehension, Pedagogy of Language Development
	Mathematics	Number System, Algebra, Geometry, Mensuration
	Science	Food, Materials, Natural Phenomena, Natural Resources
	Social Studies/Social Sciences	History, Geography, Social and Political Life, Pedagogical Issues

# NET

Exam Name	University Grants Commission National Eligibility Test
Commonly known as	UGC NET Exam
Conducting Body	National Testing Agency (NTA)
Mode of the exam	Online
Exam Level	National
Official Website	ugcnet.nta.nic.in <a href="https://nta.ac.in/">https://nta.ac.in/</a>
Duration of the exam	180 minutes
Periodicity	Bi-annually (June and December)
Conducted for	Junior Research Fellowship and Assistant Professorship
Mode of Exam	Computer-based Test
Medium	English or Hindi
UGC NET Helpdesk	0120-6895200   ugcnet-nta@nic.in, <a href="mailto:queries.net.nta@gmail.com">queries.net.nta@gmail.com</a>
EDUCATION QUALIFICATION	<ul style="list-style-type: none"><li>• However, candidates belonging to non-creamy layer of other backward classes (OBC-NC), scheduled caste (SC), scheduled tribe (ST), persons with disability (PwD) and transgender category have to score at least 50% marks.</li><li>• Candidates who are pursuing their Master's degree or are waiting for their result or whose qualifying examinations have been delayed can apply for the test.</li><li>• However, such candidates will be admitted provisionally and will be considered for award of JRF or recruitment as Assistant Professor only when they will pass their Master's Degree with at least 55% marks (50% marks for reserved category).</li><li>• Such candidates will also have to complete their Master degree within two years from the date of <b>UGC NET Result</b> with the required percentage of marks, failing which they will be treated as disqualified.</li><li>• Candidates with Ph.D. degree whose Master's level examination</li></ul>

	<p>was completed before September 19, 1991 (irrespective of date of declaration of result) will be eligible for a relaxation of 5% in aggregate marks (i.e. from 55% to 50%) for appearing in UGC NET 2021.</p> <ul style="list-style-type: none"> <li>• Transgender candidates will be provided the same relaxation in fee, age, and qualifying criteria for NET (i.e. JRF and Assistant Professor) as are available to SC/ ST/ PwD categories. The subject wise cut offs for the transgender category will be the lowest among those for SC/ ST/ PwD/ OBC–NCL categories in the respective subject.</li> <li>• Candidates are suggested to choose the same NET subject for Paper 2 as their specialization in Post Graduation. However, if your post-graduation subject is not covered in the list of 81 NET subjects, you can appear in a related subject.</li> <li>• Candidates possessing Post Graduation Diploma/ Certificate awarded by Indian University/ Institute or foreign degree/ diploma/ certificate awarded by a foreign University/ institute should in their own interest, ascertain the equivalence of their diploma/ degree/ certificate with Master’s degree of recognized Indian universities from Association of Indian Universities (AIU), New Delhi.</li> </ul>
AGE LIMITS	<p>UGC NET Age Limit and Relaxation for Junior Research Fellowship and Assistant Professorship are given below:</p> <ul style="list-style-type: none"> <li>• <b>Junior Research Fellow:</b> Candidates should not be more than 30 years</li> <li>• Candidates belonging to OBC-NC, SC, ST, PwD categories, Transgenders and women applicants are provided a relaxation of up to 5 years.</li> <li>• Candidates with research experience will also be provided age relaxation equivalent to the years/ period spent on research in the respective subject or Post Graduation Degree.</li> <li>• Relaxation to researchers can be of up to 5 years and will only be provided on production of a certificate from the appropriate authority.</li> <li>• Candidates with L.L.M. Degree will be permitted an upper age relaxation of 3 years.</li> <li>• Candidates who have served in the armed forces will be provided the benefit of relaxation of up to 5 years subject to the length of service in the armed forces up to June 1, 2021.</li> <li>• Total age relaxation on the above ground(s) shall not exceed five years under any circumstances.</li> <li>• <b>Assistant Professor:</b> There is no upper age limit to apply for Assistant Professor.</li> </ul>
ELIBILITY	<ul style="list-style-type: none"> <li>• Candidates do not have to send any certificates/ documents to the National Testing Agency in support of their eligibility.</li> <li>• NTA does not verify the details provided by the candidates in the</li> </ul>

- application form and hence their candidature will be purely provisional subject to the fulfillment of eligibility criteria.
- In case, NTA or UGC detects any ineligibility at any stage, the candidature will be canceled and legal action may be taken against the candidates.

**EXAM PATTERN**

UGC NET Paper-I Sections	Questions in UGC NET Paper-I	UGC NET Paper-I Marks
Teaching Aptitude	5	10
Research Aptitude	5	10
Reading Comprehension	5	10
Communication	5	10
Reasoning (including Maths)	5	10
Logical Reasoning	5	10
Data Interpretation	5	10
Information & Communication Technology (ICT)	5	10
People & Environment	5	10
Higher Education System: Governance, Polity & Administration	5	10
<b>Total</b>	<b>50</b>	<b>100</b>

The exam pattern of paper II is based upon the subject, chosen by the aspirants.

**SYLLABUS FOR PAPER 1**

**UGC NET Paper 1 Syllabus**

UGC NET Paper 1 is common and compulsory for every candidate. Paper 1 will have 50 questions worth 100 marks. Paper 1 syllabus has 10 units and exactly 5 questions will be asked from each unit. The detailed syllabus for Paper 1 is described below:

***Unit-I Teaching Aptitude***

- Teaching: Concept, Objectives, Levels of teaching (Memory, Understanding, and Reflective), Characteristics, and basic requirements.
- Learner’s characteristics: Characteristics of adolescent and adult learners (Academic, Social, Emotional and Cognitive), Individual differences.
- Factors affecting teaching related to Teacher, Learner, Support material, Instructional facilities, Learning environment, and Institution.

- Methods of teaching in Institutions of higher learning: Teacher centered vs. Learner-centered methods; Off-line vs. On-line methods (Swayam, Swayamprabha, MOOCs, etc.).
- Teaching Support System: Traditional, Modern, and ICT based.
- Evaluation Systems: Elements and Types of evaluation, Evaluation in Choice Based Credit System in Higher education, Computer-based testing, Innovations in evaluation systems.

### ***Unit-II Research Aptitude***

- Research: Meaning, Types, and Characteristics, Positivism, and Postpositivistic approach to research.
- Methods of Research: Experimental, Descriptive, Historical, Qualitative, and Quantitative Methods, Steps of Research.
- Thesis and Article writing: Format and styles of referencing, Application of ICT in research, Research ethics.

### ***Unit-III Comprehension***

- A passage of text is given. Questions are asked from the passage to be answered.

### ***Unit-IV Communication***

- Communication: Meaning, types, and characteristics of communication.
- Effective communication: Verbal and Non-verbal, Inter-Cultural and group communications, Classroom communication, Barriers to effective communication, Mass-Media, and Society.

### ***Unit-V Mathematical Reasoning and Aptitude***

- Types of reasoning: Number series, Letter series, Codes, and Relationships.
- Mathematical Aptitude: Fraction, Time & Distance, Ratio, Proportion and Percentage, Profit and Loss, Interest and Discounting, Averages, etc.

### ***Unit-VI Logical Reasoning***

- Understanding the structure of arguments: argument forms, the structure of categorical propositions, Mood and Figure, Formal and Informal fallacies, Uses of language, Connotations, and denotations of terms, Classical square of opposition, Evaluating and distinguishing deductive and inductive reasoning, Analogies.
- Venn diagram: Simple and multiple uses for establishing the validity of arguments.
- Indian Logic: Means of knowledge, Pramanas- Pratyaksha (Perception), Anumana (Inference), Upamana (Comparison),

Shabda (Verbal testimony), Arthapatti (Implication) and Anupalabdhi (Non-apprehension). • Structure and kinds of Anumana (inference), Vyapti (invariable relation), Hetvabhasas (fallacies of inference).

#### ***Unit-VII Data Interpretation***

- Sources, acquisition, and classification of Data.
- Quantitative and Qualitative Data.
- Graphical representation (Bar-chart, Histograms, Pie-chart, Table-chart, and Line-chart)
- Mapping of Data, Data Interpretation. Data and Governance.

#### ***Unit-VIII Information and Communication Technology (ICT)***

- ICT: General abbreviations and terminology, Basics of the Internet, Intranet, E-mail, Audio and Video-conferencing, Digital initiatives in higher education. ICT and Governance.

#### ***Unit-IX People, Development and Environment***

- Development and Environment: Millennium Development and Sustainable Development Goals.
- Human and environment interaction: Anthropogenic activities and their impacts on the environment.
- Environmental issues: Local, Regional and Global; Air pollution, Water pollution, Soil pollution, Noise pollution, Waste (solid, liquid, biomedical, hazardous, electronic), Climate change, and its Socio-Economic and Political dimensions. Impacts of pollutants on human health.
- Natural and energy resources: Solar, Wind, Soil, Hydro, Geothermal, Biomass, Nuclear, and Forests.
- Natural hazards and disasters: Mitigation strategies, Environmental Protection Act (1986), National Action Plan on Climate Change, International agreements/efforts -Montreal Protocol, Rio Summit, Convention on Biodiversity, Kyoto Protocol, Paris Agreement, International Solar Alliance.

#### ***Unit-X Higher Education System***

- Institutions of higher learning and education in ancient India.
- Evolution of higher learning and research in Post Independence India.
- Oriental, Conventional, and Non-conventional learning programs in India.
- Professional, Technical, and Skill-Based education.

Syllabus will be according the subject chosen

SYLLABUS FOR  
PAPER 2

Subject Code	Subjects
0	General Paper on Teaching & Research Aptitude (Paper -I)
1	Economics/ Rural Economics/ Co-operation/ Demography/ Development Planning/ Development Studies/ Econometrics/ Applied Economics/Development Eco./Business Economics
2	Political Science
3	Philosophy
4	Psychology
5	Sociology
6	History
7	Anthropology
8	Commerce
9	Education
10	Social Work
11	Defence and Strategic Studies
12	Home Science
14	Public Administration
15	Population Studies
16	Music
17	Management (including Business Admin. Mgt./Marketing/ Marketing Mgt./Industrial Relations and Personnel Mgt./ Personnel Mgt./Financial Mgt./Co-operative Management)
18	Maithili
19	Bengali
20	Hindi
21	Kannada
22	Malayalam
23	Oriya
24	Punjabi
25	Sanskrit
26	Tamil
27	Telugu
28	Urdu

29	Arabic
30	English
31	Linguistics
32	Chinese
33	Dogri
34	Nepali
36	Assamese
37	Gujarati
38	Marathi
39	French (French Version)
40	Spanish
41	Russian
42	Persian
43	Rajasthani
44	German
45	Japanese
46	Adult Education/ Continuing Education/ Andragogy/ Non Formal Education.
47	Physical Education
49	Arab Culture and Islamic Studies
50	Indian Culture
55	Labour Welfare/Personnel Management/Industrial Relations/ Labour and Social Welfare/Human Resource Management
58	Law
59	Library and Information Science
60	Buddhist, Jaina, Gandhian and Peace Studies
62	Comparative Study of Religions
63	Mass Communication and Journalism
65	Performing Art - Dance/Drama/Theatre
66	Museology & Conservation
67	Archaeology
68	Criminology
70	Tribal and Regional Language/Literature
71	Folk Literature
72	Comparative Literature
73	Sanskrit traditional subjects (including) Jyotisha/Sidhanta Jyotish/  Navya Vyakarna/ Vyakarna/ Mimansa/ Navya Nyaya/ Sankhya Yoga/ Tulanatmaka Darsan/  Shukla Yajurveda/ Madhav Vedant/ Dharmasasta/

		Sahitya/ Puranotihasa /Agama).
	74	Women Studies
	79	Visual Art (including Drawing & Painting/Sculpture Graphics/Applied Art/History of Art)
	80	Geography
	81	Social Medicine & Community Health
	82	Forensic Science
	83	Pali
	84	Kashmiri
	85	Konkani
	87	Computer Science and Applications
	88	Electronic Science
	89	Environmental Sciences
	90	Politics including International Relations/International Studies including Defence/ Strategic Studies, West Asian Studies, South East Asian Studies, African Studies, South Asian Studies, Soviet Studies, American Studies.
	91	Prakrit
	92	Human Rights and Duties
	93	Tourism Administration and Management.
	94	Bodo
	95	Santali
	100	Yoga
	101	Sindhi
UGC NET Exemptions for Assistant Professor		<ul style="list-style-type: none"> <li>• Candidates who have passed UGC/ CSIR/ JRF examination before 1989 are exempted from appearing in NET.</li> <li>• Candidates who have cleared States Eligibility Test (SET) accredited by UGC for Assistant Professor held before June 1, 2002, are exempted from appearing in NET, and are eligible to apply for Assistant Professor anywhere in India.</li> <li>• However, candidates qualified in SET held after June 1, 2003, are eligible to apply for the post of Assistant Professor only in the universities and colleges situated in the respective states.</li> </ul>

## CSIR NET

<b>Exam Name</b>	CSIR UGC NET (Council of Scientific and Industrial Research University Grants Commission National Eligibility Test)
<b>Conducting Body</b>	National Testing Agency (NTA)
<b>Exam Level</b>	National
<b>Exam Frequency</b>	Twice a year
<b>Exam Mode</b>	Online only
<b>Exam Duration</b>	180 minutes
<b>Exam Purpose</b>	Selection of candidates for the award of JRF or determining eligibility for appointment as lecturers
<b>Exam Helpdesk No.</b>	0120-6895200
<b>Official Website</b>	<a href="https://csirnet.nta.nic.in/webinfo/public/home.aspx">https://csirnet.nta.nic.in/webinfo/public/home.aspx</a>
<b>AGE LIMIT</b>	28 YEARS
<b>ELIGIBILITY</b>	<ul style="list-style-type: none"><li>• Candidates should obtain a degree in <b>BTech/BE/BPharma/MBBS/BS</b> (4 years)/Integrated BS-MS/<b>MSc</b> with minimum 55 per cent marks</li><li>• There is no upper age limit to apply for the post of lectureship</li></ul> <p>GENERAL:55%MARKS, OBC/ST-50%MARKS</p>
<b>EDUCATION QUALIFICATION</b>	M.Sc or Equivalent Degree Integrated BS-MS BS - 4 years BE B.Tech B-Pharma MBBS B.Sc (Hons) or Equivalent Degree Integrated MSc or PhD

**EXAM  
PATTERN****CSIR NET Life Science Question Paper Pattern (LS)**

<b>Sections</b>	<b>No. of Questions Asked</b>	<b>No. of Questions to be Attempted</b>	<b>Marks</b>	<b>Neg. Marking</b>
PART-A	20	15	30	0.5
PART-B	50	35	70	0.5
PART-C	75	25	100	1.0
<b>TOTAL MARKS</b>			200	

**CSIR NET Mathematics Exam Pattern (MA)**

<b>Sections</b>	<b>No. of Questions Asked</b>	<b>No. of Questions to be Attempted</b>	<b>Marks</b>	<b>Neg. Marking</b>
PART-A	20	15	30	0.5

PART-B	40	25	75	0.75
PART-C	60	20	95	0
TOTAL MARKS			200	

NTA CSIR NET Paper Pattern for Earth Science (ES)

Sections	No. of Questions Asked	No. of Questions to be Attempted	Marks	Neg. Marking
PART-A	20	15	30	0.5
PART-B	50	35	70	0.5
PART-C	80	25	100	1.32
TOTAL MARKS			200	

**CSIR NET Exam Pattern for Physical Science (PH)**

Sections	No. of Questions Asked	No. of Questions to be Attempted	Marks	Neg. Marking
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PART-A	20	15	30	0.5
PART-B	25	20	70	0.875
PART-C	30	20	100	1.25
<b>TOTAL MARKS</b>			200	

**CSIR NET Pattern for Chemical Science (CH)**

Sections	No. of Questions Asked	No. of Questions to be Attempted	Marks	Neg. Marking
PART-A	20	15	30	0.5
PART-B	40	35	70	0.5
PART-C	60	25	100	1.0
<b>TOTAL MARKS</b>			200	

**SYLLABUS**

[General Aptitude](#)

[Life Sciences](#)

[Mathematical Sciences](#)

### Earth Sciences

### Physical Sciences

### Chemical Sciences

#### **CSIR NET Syllabus General Aptitude**

Numerical Ability	Number and Simplification, LCM and HCF Average, Quadratic Equations, Sequence and Series, Surds and Indices, Logarithms, Percentage, Profit and Loss, Simple Interest, Compound Interest, Ratio, Proportion and Variation, Partnership, Alligation and Mixture. Time Speed and Distance, Time and Work, Permutations and Combinations, Probability, Geometry, Mensuration, Trigonometry, etc.
Reasoning	Series Formation, Coding-Decoding, Distance and Directions, Calendar and Clock, Ranking and Arrangement, Puzzles, etc.
Data Interpretation and Graphical Analysis	Mean, Median, Mode, Measures of Dispersion, Graphical Analysis: Bar Graph, Line Graph, Pie-Chart, Tabulation.

#### **CSIR NET Life Science Syllabus**

Unit	Name of Topic
1	Molecules and their Interaction Relevant to Biology
2	Cellular Organization
3	Fundamental Processes
4	Cell Communication and Cell Signaling
5	Developmental Biology

6	System Physiology – Plant
7	System Physiology – Animal
8	Inheritance Biology
9	Diversity of Life Forms
10	Ecological Principles
11	Evolution and Behavior
12	Applied Biology
13	Methods in Biology

### **CSIR NET Syllabus Mathematics**

Unit -1	Analysis
	Linear Algebra
Unit -2	Complex Analysis
	Algebra
	Ordinary Differential Equations (ODEs)
	Partial Differential Equations (PDEs)
Unit -3	Numerical Analysis
	Calculus of Variations
	Linear Integral Equations
	Classical Mechanics
Unit -4	Descriptive Statistics
	Exploratory Data Analysis

### **CSIR NET Syllabus Earth Science**

Part - B	The Earth and the Solar System
	Earth Materials
	Surface Features and Processes
	Interior of the Earth
	Deformation and Tectonics
	Oceans and Atmosphere
	Environmental Earth Sciences
Part - C	Geology
	Applied Geology
	Physical Geography
	Geophysics
	Meteorology
	Ocean Sciences

### **CSIR NET Physics Syllabus**

Part A – Core	Mathematical Methods of Physics
	Classical Mechanics
	Electromagnetic Theory
	Quantum Mechanics
	Thermodynamic and Statistical Physics

		Electronics and Experimental Methods
	Part B – Advanced	Mathematical Methods of Physics
		Classical Mechanics
		Electromagnetic Theory
		Quantum Mechanics
		Thermodynamic and Statistical Physics
		Electronics and Experimental Methods
		Atomic & Molecular Physics
		Condensed Matter Physics
		Nuclear and Particle Physics
<b>CSIR NET Syllabus Chemistry</b>		
	Section 1	Inorganic Chemistry
	Section 2	Physical Chemistry
	Section 3	Organic Chemistry
	Section 4	Interdisciplinary Topics

## SET

Category	Details
Exam Name	Symbiosis Entrance Test
Acronym	SET
Conducting body	Symbiosis International (Deemed University), Pune
Exam Level	University Level
Category	Undergraduate (UG)
Mode	Online i.e. Computer-based Test (CBT)
Medium	English
EXAM FREQUENCY	Only once in a year
Duration	2 hours 30 minutes i.e. 150 minutes
Official Website	<a href="http://www.set-test.org">www.set-test.org</a>
Helpline Number	<b>Email:</b> info@set-test.org <b>Phone:</b> 020-67298050, 020-28116226/7
AGE LIMIT	NO MAXIMUM AGE LIMIT
ELIGIBILITY	<p><b>B.Tech:</b> In order to appear for Symbiosis Institute of Technology Engineering Entrance Exam, Candidate should have passed 10+2 from any stream from a recognized board with minimum 45% (40% for SC/ST) Candidates can also apply based on their JEE Mains or Advance Score</p> <p><b>BA/BBA.LLB:</b> Either appearing for passed 12th grade from a recognized board with a minimum of 45% marks</p> <p><b>BCA/BCS:</b> Passed 12th or equivalent from a recognized board with a minimum of 50% (45% for reserved category candidates)</p> <p><b>B.Sc:</b> Passed out of 12th or equivalent diploma certificate</p> <p><b>Bachelors in Designing:</b> To be eligible for SEED (Symbiosis Entrance Exam for Design). Candidate should have Passed either 10+2- or three-year diploma program</p>

	<p>after 10</p> <p>Bachelor's Degree from SIHS and SCON branches do not require SET Exam percentile to be eligible for admission.</p>												
<b>The selection procedure of SET is based on 2 factors:</b>	<ul style="list-style-type: none"> <li>• Performance in the entrance exam</li> <li>• Performance in Written Ability Test and Personal Interview</li> </ul>												
<b>EXAM PATTERN</b>	<p>It is a 150 minute exam in which the candidate is expected to answer 150 questions. There is no negative marking for wrong answers.</p> <table border="1"> <thead> <tr> <th>Test Area</th> <th>Questions</th> </tr> </thead> <tbody> <tr> <td>Quantitative Ability</td> <td>40</td> </tr> <tr> <td>Logical Reasoning</td> <td>30</td> </tr> <tr> <td>English</td> <td>40</td> </tr> <tr> <td>GA/BA</td> <td>40</td> </tr> <tr> <td>Total Questions</td> <td>150</td> </tr> </tbody> </table>	Test Area	Questions	Quantitative Ability	40	Logical Reasoning	30	English	40	GA/BA	40	Total Questions	150
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GA/BA	40												
Total Questions	150												
<b>SYLLABUS</b>	<p><b>English section in SET for BBA consists the following topics :</b></p> <ul style="list-style-type: none"> <li>• Synonyms</li> <li>• Antonyms</li> <li>• Error Spotting</li> <li>• Fill in the blanks</li> <li>• Analogy</li> <li>• Grammar – Prepositions, Articles</li> <li>• Contextual Vocabulary</li> </ul> <p><b>Quantitative Ability section in SET for BBA consists the following topics :</b></p> <ul style="list-style-type: none"> <li>• Percentage</li> <li>• Profit &amp; Loss</li> <li>• Discount</li> <li>• Time, Speed &amp; Distance</li> <li>• Time &amp; Work</li> <li>• Algebra</li> <li>• Number System</li> </ul>												

	<ul style="list-style-type: none"> <li>• Permutation &amp; Combination</li> <li>• Probability</li> </ul> <p><b>General Awareness and Business Awareness in SET for BBA is generally asked from :</b></p> <ul style="list-style-type: none"> <li>• Companies and founders</li> <li>• Sports</li> <li>• Awards</li> <li>• Books and authors</li> <li>• Science</li> </ul> <p><b>Logical reasoning in SET for BBA is Consists the following topics :</b></p> <ul style="list-style-type: none"> <li>• Arrangement – Seating/Circular</li> <li>• Blood Relationship</li> <li>• Series</li> <li>• Coding-Decoding</li> <li>• Cubes</li> <li>• Assumption</li> <li>• Syllogisms</li> <li>• Venn Diagram</li> </ul>
<p><b>Additional information</b></p>	<ul style="list-style-type: none"> <li>• Scheduled Caste (SC) : 15%</li> <li>• Scheduled Tribes (ST) : 7.5%</li> <li>• Differently Abled # : 3%</li> <li>• Children/wards of Defence Personnel : 5 % for SLS-Pune , SICSR.</li> <li>• Kashmiri Migrants and Kashmiri Pandits/ Kashmiri Hindu Families (Non- Migrants) iving in Kashmiri Valley : 2 seats per programme</li> <li>• International Candidates : 15% Note: 5% (Twenty-five percent) seats are reserved for candidates domiciled in Nagpur.</li> </ul> <p>The application fee for the <b>SET exam</b> 2021 is Rs 1950/- for one session and if the candidate is planning to appear for both the session then the application fee will be Rs 3950/-.</p>

## PRT/PGT/TGT

Events	Details
Recruitment Body	Kendriya Vidyalaya Sangathan
Post Name	PRT, TGT & PGT
Exam Level	Central level Exam
Mode of Application	Online
Mode of Exam	Offline
Selection Process	Written + Interview
Age Limit	PRT- 30 years TGT- 35 years PGT- 40 years
Official Website	<a href="http://kvsangathan.nic.in">kvsangathan.nic.in</a>
Exam frequency	Once in a year
Eligibility	<p>TGT: trained graduate teacher. Least qualification required: b.ed and graduate in the subject you need to instruct. TGT educates at the secondary level, i.e., from sixth to tenth.</p> <p>PGT: Postgraduate teacher. B.ed and post-graduation in the subject concerned is a prerequisite for PGT. Likewise, PGTs educates senior secondary level, i.e., 11th and 12th.</p> <p>PRT: primary teacher The least capability required is confirmation in basic training or diploma in elementary teaching. They educate from 1st to 5th.</p>

Education qualification	<p><b>PGT– Hindi, English, Physics, Chemistry, Maths, Biology, History, Geography, Economics and Commerce</b></p>	<p>(a) Two Years’ Integrated Post Graduate M.Sc. Course of Regional College of Education of NCERT in the concerned subject. Or Master’s Degree from a recognized university with at least 50% marks in aggregate. b) B.Ed or equivalent degree from a recognized University. c) Proficiency in teaching in Hindi and English Media.</p>
	<p><b>PGT Computer Science</b></p>	<p>1. At least 50% marks in aggregate in any of the following: B.E or B.Tech (Computer Science! IT) from a recognized University or equivalent Degree or Diploma from an institution/ university recognised by the Govt. of India. OR BE or B.Tech (any stream) and Post Graduate Diploma in Computers from a recognized University OR MSc. (Computer Science)/ MCA or Equivalent from a recognized University OR B.Sc. (Computer Science) / BCA or Equivalent and Post Graduate degree in subject from a recognized University OR Post Graduate Diploma in Computer and Post Graduate degree in any subject from a recognized University OR ‘B’ Level from DOEACC and Post Graduate degree in any subject OR ‘C’ Level from ‘DOEACC’ Ministry of Information and Communication Technology and Graduation. 2. Proficiency in teaching Hindi and English Medium.</p>
	<p><b>TGT– English, Hindi, Social Studies, Science, Sanskrit and Maths</b></p>	<p>(a) Four years integrated degree course of Regional College of Education of NCERT in the concerned subject with at least 50% marks in aggregate. OR Bachelor’s Degree with atleast 50% marks in the concerned subject/combination of subject and in aggregate.</p>

		<p>b) B.Ed or equivalent degree from a recognized University.</p> <p>c) Pass in the Central Teacher Eligibility Test (CTET) Paper-II, conducted by CBSE in accordance with the Guidelines framed by the NCTE for the purpose.</p> <p>d) Proficiency in teaching in Hindi and English medium.</p>	
	<b>TGT (Physical and Health Education)</b>	Bachelor Degree in Physical Education or equivalent	
	<b>TGT (Art Education)</b>	<p>1. Five years' recognized Diploma in Drawing and Painting/ Sculpture/ Graphic Art or Equivalent recognized Degree</p> <p>2. Working knowledge of Hindi &amp; English.</p>	
	<b>TGT (Work Experience)</b>	<p>Electrical Gadgets and Electronics:</p> <p>i) Three years Diploma after Higher Secondary in Electrical. Electronics Engineering from an institution recognized by State Govt./ Govt. of India. (The minimum qualification for admission to the Diploma Course should be at least Higher Secondary).</p> <p>OR</p> <p>Degree in Electrical or Electronics Engineering from a recognized University.</p> <p>OR</p> <p>Graduate in Electrical or Electronics Engineering from a recognized University.</p> <p>ii) Working knowledge of Hindi and English.</p>	
	<b>PRT (All subjects)</b>	<p>1. Senior Secondary (or its equivalent) with at least 50% marks and 2-year Diploma in Elementary Education (by whatever name known)</p> <p><b>OR</b></p> <p>Senior Secondary (or its equivalent) with at least 50% marks and 4-year Bachelor of Elementary Education (B. El. Ed.)</p> <p><b>OR</b></p> <p>Senior Secondary (or its equivalent) with at least 50% marks and 2-year Diploma in Education (Special Education)</p> <p><b>OR</b></p> <p>Graduation with atleast 50% marks and Bachelor of Education (B.Ed)</p> <p>* who has acquired the qualification of Bachelor of Education from any NCTE recognized</p>	

		institution shall be considered for appointment as a teacher in class I-V provided the person so appointed as a teacher shall mandatorily undergo a six month Bridge Course in Elementary Education recognized by the NCTE within two years of such appointment as Primary Teacher 2. Qualified in the Central Teacher Eligibility Test 3. Proficiency to teach through Hindi and English Media.	
	<b>PRT - Music</b>	i) Senior Secondary School Certificate with 50% marks or Intermediate with 50% marks or its equivalent and Bachelor Degree in Music or equivalent from a recognized University. ii) Competence to teach through English\Hindi medium.	

Exam pattern	<b>KVS PGT Teacher Exam Pattern</b>			
	<b>Test</b>	<b>Subjects</b>	<b>Number of Question</b>	<b>Total Marks</b>
	Part - I	General English	10	10
		General Hindi	10	10
	Part - II	General Knowledge & Current Affairs	10	10
		Reasoning Ability	10	10
		Computer Literacy	10	10
		Pedagogy	20	20
		Subject concerned	80	80
	Total		150	150
	<b>KVS TGT Teacher Exam Pattern</b>			
	<b>Test</b>	<b>Subjects</b>	<b>Number of Question</b>	<b>Total Marks</b>
	Part - I	General English	10	10
		General Hindi	10	10
	Part - II	General Knowledge & Current Affairs	40	40
Reasoning Ability		40	40	
Computer Literacy		10	10	
Pedagogy		40	40	

	Total		150	150
<b>KVS PRT Teacher Exam Pattern</b>				
<b>Test</b>	<b>Subjects</b>		<b>Number of Question</b>	<b>Total Marks</b>
Part - I	General English		10	10
	General Hindi		10	10
Part - II	General knowledge & Current Affairs		10	10
	Reasoning Ability		10	10
	Computer Literacy		10	10
	Pedagogy		20	20
	Subject concerned		80	80
Total			150	150
Syllabus	<b>PRT Syllabus for Subject Concerned</b>			
	Core Language competency: Understanding Of English and Hindi language to deal with students of elementary class.	Hindi	भाषा, संज्ञा, सर्वनाम एवं सर्वनाम, विशेषण, क्रिया, अव्यय, वचन, लिंग, उपसर्ग एवं प्रत्यय, वाक्य निर्माण, पर्यायवाची, विपरीपार्थक, अनेकार्थक, समानार्थी शब्द, विराम चिन्हों की पहचान एवं उपयोग, मुहावरे एवं लोकोक्तियाँ, अलंकार, सन्धि, तत्सम, तद्भव, देशज एवं विदेशी शब्द, समास, पद परिचय, अपठित गद्यांश, भाषा शिक्षण की विधियाँ	
		English	Verb, Tenses, adjective, modal, Voice, Subject-Verb Agreement, Articles, Narrations, Prepositions, Punctuations, Comprehension, Fill in the Blanks. Adverb, Error Correction, Sentence Rearrangement, Unseen Passages, Vocabulary, Antonyms, Synonyms, Idioms & Phrases, Method of teaching at elementary level	
General Science	Living world, The universe, Matter, Motion, Food, Plant and animals, Force and motion, atoms, gases, energy, acceleration, Our Country, Our environment, Natural resources			

	General Maths	Number System, LCM & HCF, Geometry, Mensuration, Profit & Loss, average, percentage, Ratio and Proportion, Speed, distance and time, CI & ST, linear equation, Shapes & Measures , Size etc.
	Environmental Science	Democracy, Panchayat, Population Growth, Disease, Natural Calamities, Air, water , Soil, Resources, development, Map of India, Nation Freedom Movement, culture , Five yr Plans, Transportation , Communication etc.
<b>KVS Syllabus for TGT's</b>		
<b>TEST</b>	<b>SUBJECTS</b>	<b>Detailed Syllabus</b>
<b>PAPER I</b>	<b>General English</b>	<ul style="list-style-type: none"> <li>• Articles</li> <li>• Modal Auxiliaries</li> <li>• Narration</li> <li>• Pronoun</li> <li>• Adverb</li> <li>• Adjective</li> <li>• Verb</li> <li>• Preposition</li> <li>• Tenses</li> <li>• Punctuation</li> <li>• Voice</li> <li>• Vocabulary</li> <li>• Idioms &amp; phrases</li> <li>• Antonym &amp; Synonyms</li> </ul>

			<ul style="list-style-type: none"> <li>. भाषा</li> <li>. संज्ञा एवं संज्ञा के भेद।</li> <li>. सर्वनाम एवं सर्वनाम के भेद।</li> <li>. विशेषण एवं विशेषण के भेद।</li> <li>. क्रिया एवं क्रिया के भेद।</li> <li>. अव्यय</li> <li>. वचन, लिंग</li> <li>. उपसर्ग एवं प्रत्यय</li> <li>. वाक्य निर्माण (सरल, संयुक्त एवं मिश्रित वाक्य)।</li> </ul>	
		<p><b>General</b></p> <p><b>Hindi</b></p>	<ul style="list-style-type: none"> <li>. पर्यायवाची, विपरीपार्थक, अनेकार्थक, समानार्थी शब्द।</li> <li>. विराम चिन्हों की पहचान एवं उपयोग।</li> <li>. मुहावरे एवं लोकोक्तियाँ।</li> <li>. अलंकार</li> <li>. सन्धि</li> <li>. तत्सम, तद्भव, देशज एवं विदेशी शब्द</li> <li>. समास</li> <li>. समास</li> <li>. पद परिचय</li> </ul>	

	<b>PAPER-II</b>	<b>General Knowledge &amp; Current Affairs</b>	<ul style="list-style-type: none"> <li>· Awards</li> <li>· Books &amp; their authors</li> <li>· Sports</li> <li>· History- Ancient, Medieval &amp; Modern</li> <li>· Geography</li> <li>· Current Affairs</li> <li>· Polity</li> <li>· Population Census</li> <li>· Indian Art &amp; Culture</li> <li>· Misc.</li> </ul>	
		<b>Reasoning Ability</b>	<ul style="list-style-type: none"> <li>· Mirror Image</li> <li>· Directions</li> <li>· Puzzles and Seating Arrangement</li> <li>· Syllogism</li> <li>· Data Sufficiency</li> <li>· Coding-decoding</li> <li>· Blood Relation</li> <li>· Order and Ranking</li> <li>· Alpha Numeric Symbol Series</li> <li>· Logical Reasoning</li> </ul>	

		<p><b>Computer Literacy</b></p>	<ul style="list-style-type: none"> <li>· Abbreviations</li> <li>· Basic Computer Terminology &amp; Shortcuts</li> <li>· Web Technology</li> <li>· Database Management Systems</li> <li>· Browsers and Search Engines</li> <li>· Internet</li> <li>· General Concept of Social Networking</li> <li>· Computer Memory or Storage Devices</li> <li>· Computer Software &amp; Hardware</li> <li>· History and Evaluation of Computers</li> <li>· Generations and Types of Computers</li> <li>· Operating Systems</li> </ul>	
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		<b>Pedagogy</b>	<p>Pedagogical Concerns: Curriculum-Meaning, Principles, types of curriculum organization, approaches, instructional Plan- Year Plan, Unit Plan, Lesson Plan, Teaching Learning Materials, Information and Communication Technology, Continuous and Comprehensive Evaluation, SA, FA, Analysis and interpretation of Test.</p> <p>Inclusive Education: Understanding children from diverse backgrounds, Different disabilities i.e. Sensory, cognitive, physical and its educational implications, Philosophy of inclusion with special reference to children with disability, Constitutional Provisions and acts related to Inclusive Education</p> <p>Communication &amp; interaction: Theory of Communication, Types of Communication, Communication &amp; Language, Communication in the classroom, barriers in communication, the process of communication, resources of communication</p> <p>Understanding Learning: Concept, Nature of Learning, Factors of Learning, Approaches to learning and their applicability — Behaviourism (Skinner, Pavlov, Thorndike), Constructivism (Piaget, Vygotsky), Gestalt (Kohler, Koffka) and Observational (Bandura), Dimensions of Learning — Cognitive. Affective and Performance, Motivation and its role in learning, Memory &amp; Forgetting, Transfer of Learning. Design of Learning activities and classroom processes, pedagogic practices, laws of learning</p>
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<b>KVS Syllabus for PGT's</b>		
<b>TEST</b>	<b>SUBJECTS</b>	<b>Detailed Syllabus</b>
<b>PAPER I</b>	<b>General English</b>	<ul style="list-style-type: none"> <li>• Articles</li> <li>• Modal Auxiliaries</li> <li>• Narration</li> <li>• Pronoun</li> <li>• Adverb</li> <li>• Adjective</li> <li>• Verb</li> <li>• Preposition</li> <li>• Tenses</li> <li>• Punctuation</li> <li>• Voice</li> <li>• Vocabulary</li> <li>• Idioms &amp; phrases</li> <li>• Antonym &amp; Synonyms</li> </ul>
	<b>General Hindi</b>	<ul style="list-style-type: none"> <li>• भाषा</li> <li>• संज्ञा एवं संज्ञा के भेद।</li> <li>• सर्वनाम एवं सर्वनाम के भेद।</li> <li>• विशेषण एवं विशेषण के भेद।</li> <li>• क्रिया एवं क्रिया के भेद।</li> <li>• अव्यय</li> <li>• वचन, लिंग</li> <li>• उपसर्ग एवं प्रत्यय</li> </ul>

			<ul style="list-style-type: none"> <li>. वाक्य निर्माण (सरल, संयुक्त एवं मिश्रित वाक्य)।</li> <li>. पर्यायवाची, विपरीपार्थक, अनेकार्थक, समानार्थी शब्द।</li> <li>. विराम चिन्हों की पहचान एवं उपयोग।</li> <li>. मुहावरे एवं लोकोक्तियाँ।</li> <li>. अलंकार</li> <li>. सन्धि</li> <li>. तत्सम, तद्भव, देशज एवं विदेशी शब्द</li> <li>. समास</li> <li>. समास</li> <li>. पद परिचय</li> </ul>
	<b>PAPER II</b>	<b>General Knowledge &amp; Current Affairs</b>	<ul style="list-style-type: none"> <li>. Awards</li> <li>. Books &amp; their authors</li> <li>. Sports</li> <li>. History- Ancient, Medieval &amp; Modern</li> <li>. Geography</li> <li>. Current Affairs</li> <li>. Polity</li> <li>. Population Census</li> <li>. Indian Art &amp; Culture</li> <li>. Misc.</li> </ul>
		<b>Reasoning Ability</b>	<ul style="list-style-type: none"> <li>. Mirror Image</li> <li>. Directions</li> </ul>

			<ul style="list-style-type: none"> <li>· Puzzles and Seating Arrangement</li> <li>· Syllogism</li> <li>· Data Sufficiency</li> <li>· Coding-decoding</li> <li>· Blood Relation</li> <li>· Order and Ranking</li> <li>· Alpha Numeric Symbol Series</li> <li>· Logical Reasoning</li> </ul>
		<b>Computer Literacy</b>	<ul style="list-style-type: none"> <li>· Abbreviations</li> <li>· Basic Computer Terminology &amp; Shortcuts</li> <li>· Web Technology</li> <li>· Database Management Systems</li> <li>· Browsers and Search Engines</li> <li>· Internet</li> <li>· General Concept of Social Networking</li> <li>· Computer Memory or Storage Devices</li> <li>· Computer Software &amp; Hardware</li> <li>· History and Evaluation of Computers</li> <li>· Generations and Types of Computers</li> <li>· Operating Systems</li> </ul>
		<b>Pedagogy</b>	Pedagogical Concerns :Curriculum-Meaning, Principles, types of curriculum o

			<p>rganization, approaches, instructional Plan- Year Plan, Unit Plan, Lesson Plan, Teaching Learning Materials, Information and Communication Technology, Continuous and Comprehensive Evaluation, SA, FA, Analysis and interpretation of Test.</p> <p>Inclusive Education: Understanding children from diverse backgrounds, Different disabilities i.e. Sensory, cognitive, physical and its educational implications, Philosophy of inclusion with special reference to children with disability, Constitutional Provisions and acts related to Inclusive Education</p> <p>Communication &amp; interaction: Theory of Communication, Types of Communication, Communication &amp; language, Communication in the classroom, barriers in communication, process of communication, resources of communication</p>
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